

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
**WO 2005/041852 A3**

(51) International Patent Classification:  
**A61K 35/56** (2006.01)

(21) International Application Number:  
**PCT/BR2004/000209**

(22) International Filing Date: 27 October 2004 (27.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PI 03040 83-6 31 October 2003 (31.10.2003) BR

(71) Applicants and

(72) Inventors: **DE LURDES MOLARINHO VELLY**,  
Maria [BR/BR]; Av. Ibirapuera, 2927, Apto.1005, Bairro  
Moema, CEP-04029-2000, Sao-Paulo,SP (BR). **VERÍSSIMO**,  
Maria, Helena, Farina [BR/BR]; Av. Ibirapuera,  
2907-conj.308, Bairro Moema, CEP-04029-200, Sao  
Paulo,SP (BR).

(74) Agent: **MAMEDE CARNEIRO, Ana, Claudia**; Danne-  
mann, Siemsen, Bigler & Ipanema Moreira, Av. Indianópolis  
739, 04063-000 Moema, Sao Paulo (BR).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,

GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17 (iv))

Published:

— with international search report

— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
18 May 2006

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: KERATIN GEL AND THE TYPES 2, 4 AND 6 OF COLLAGENS OF FROG PROTEIN

(57) Abstract: is constituted by keratin gel (1) and the types 2, 4 and 6 of collagens, for topical use or for lamina preparation (2) use, such as biological dressing with the gel (1) powdered (3) for food and complements use (4), or with the mentioned gel (1) and powder (3) used in cosmetic mask manufacturing (5) or turned into solutions (6) that may be used in injectable medical/pharmaceutical formulations (7) or in products of cosmetic and aesthetic topical use (8), whose development allowed gel production for topical use or for dressing lamina preparation (wound recovering from several origins) and/or powdering in food and complements and mask manufacturing used in aesthetic areas and solutions used in formulations and medical, surgical, pharmaceutical, aesthetic, cosmetic and cosmetical areas and others.

WO 2005/041852 A3